

Docket No.: 12810-00247-US1  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of:  
Philippe Desbois et al.

Application No.: National Phase of  
PCT/EP2004/012338

Confirmation No.: N/A

Filed: Concurrently Herewith

Art Unit: N/A

For: METHOD FOR THE ANIONIC  
POLYMERISATION OF OXIRANS

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

An English translation of foreign reference DE 103 23 047 A1 is also being submitted although it will not be cited in the SB-08 for unavailable information.

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark

Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

A concise explanation of relevance of the items listed on form PTO/SB/08 is in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 22-0185, under Order No. 12810-00247-US1. A duplicate copy of this paper is enclosed.

Dated: May 2, 2006

Respectfully submitted,

By /Matthew J. Mason/  
Matthew J. Mason  
Registration No.: 44,904  
CONNOLLY BOVE LODGE & HUTZ LLP  
1990 M Street, N.W., Suite 800  
Washington, DC 20036  
(202) 331-7111  
(202) 293-6229  
Attorney for Applicant

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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	Not Yet Assigned	
			Filing Date	Concurrently Herewith	
			First Named Inventor	Philippe Desbois	
			Art Unit	N/A	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	1	Attorney Docket Number	12810-00247-US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	JP-2000-256457	09-19-2000	JAPAN CHEMICAL INNOVATION INSTITUTE		
	BB	JP-11335459	12-07-1999	KAGAKU GIJUTSU SENRYAKU SUISHIN KIKO		
	BC	JP-2002128886	05-09-2002	ASAHI DENKA KOGYO KK		
	BD	JP-2000-086755	03-28-2000	JAPAN CHEMICAL INNOVATION INSTITUTE		
	BE	DE-103 23 047	12-09-2004	BASF AG		√

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
	CA	Jifeng Ding, Colin Price and Colin Booth, Use of Crown Ether in the Anionic Polymerization of Propylene Oxide-1. Rate of Polymerization, 1991, Eur. Polym. J. Vol. 27, No. 9, pp. 891-894		
	CB	Jifeng Ding, Frank Heatley, Colin Price and Colin Booth, Use of Crown Ether in the Anionic Polymerization of Propylene Oxide-2. Molecular Weight and Molecular Weight Distribution, Eur. Polym. J., 1991, Vol. 27, No. 9, pp. 895-899		
	CC	Roderik P. Quirk, Jungahn Kim, Charles Kausch & Moonseok Chun, Butyllithium-Initiated Anionic Synthesis of Well-Defined Poly(styrene-block-ethylene oxide) Block Copolymers with Potassium Salt Additives, Polymer International, 1996, Vol. 39 p. 3-10		
	CD	Roderik P. Quirk, Gilda M. Lizarraga, Anionic synthesis of well-defined, poly[(styrene)-block-(propylene oxide)] block copolymers, Macromol. Chem. Phys. 2000, Vol. 201, p. 1395-1404		
	CE	Eiji Ihara, Jun-ichi Ikeda, and Kenzo Inoue, Controlled Anionic Polymerization of tert-Butyl Acrylate with the tBuOK/Triisobutylaluminum (iBu <sub>3</sub> Al) Initiating System, Macromolecules 2002, Vol. 35, Number 11, pp. 4223-4225		
	CF	Wigand Braune and Jun Okuda, An Efficient Method for Controlled Propylene Oxide Polymerization: The Significance of Bimetallic Activation in Aluminum Lewis Acids, Agnew. Chem. Int. Ed. 2003, Vol. 42, No. 1, p. 64-68		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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